

MCImetro ACCESS TRANSMISSION SERVICES CORP D/B/A VERIZON ACCESS TRANSMISSION OUTSIDE PLANT CONSTRUCTION FIBER OPTIC CABLE ROUTE

GUSHERS

SITE CODE: HENNMN
BH06 / GOLDEN VAL-VICKSBURG / 074GUSHERS
MAPLE GROVE, MN

PROJECT STATUS: ISSUED FOR PERMITTING

STATUS DATE: 3/23/18

INDEX SHEET

1	COVER SHEET
2	.INDEX SHEET
3	LOCATION MAP
4	.CONTACT SHEET
5	.GENERAL NOTES/CLARIFICATION SHEET
6	.SYMBOLS KEY
7	.PROJECT CLARIFICATION SUMMARY/BOM
8-19	CONSTRUCTION DRAWINGS
8A-19A	CONSTRUCTION DRAWINGS W/AERIAL IMAGES
A1	.FIBER MAP/SPLICE DIAGRAM
A2	.SINGLE LINE DIAGRAM
T1-T6	MCI TYPICALS
ADDITIONAL	. 3RD PARTY DOCUMENTATION



PROJECT: 074GUSHERS

BH06 / GOLDEN VAL-VICKSBURG
MAPLE GROVE, MN

CLARIFICATION NO.	QUANTIT

ACCESS TRANSMISSION SERVICES, LLC

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

074GUSHERS

DATE: 2/8/18
ENGINEER: NW
DRAWN BY: NW
REVISIONS

	REVISIONS	
DATE	DESCRIPTION	INITI
2/8/18	CONST PKG	NW
3/23/18	QC	SJH
	2/8/18	DATE DESCRIPTION 2/8/18 CONST PKG

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SCALE
HORIZONTAL: NTS
VERTICAL: NTS
MP ____ TO MP
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FILE: 074GUSHERS.DWG

LOCATION MAP

PROPOSED BURIED CABLE

PROPOSED AERIAL CABLE





BH06 / GOLDEN VAL-VICKSBURG

MAPLE GROVE, MN

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CLARIFICATION NO.	QUANTIT
ACCESS TRANSMISSION SERVICES, LLC	TITLE: FIBER OPTIC CABLE ROUTE 074GUSHERS

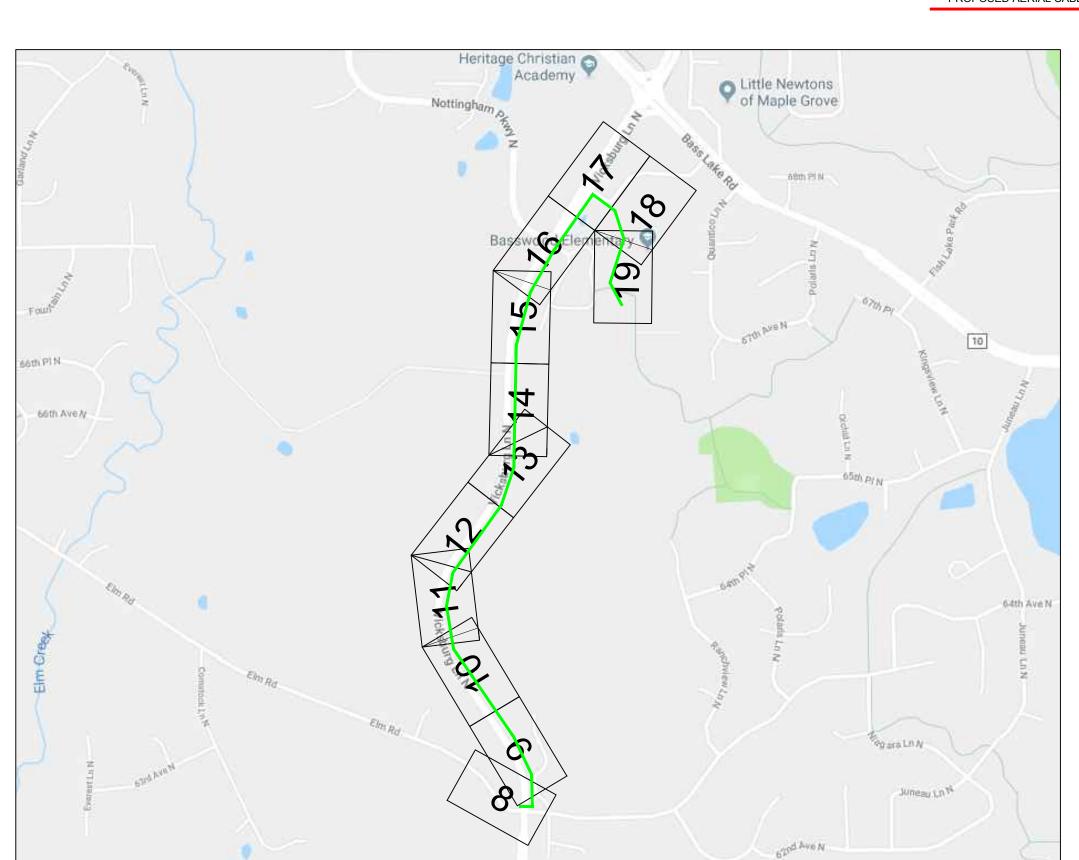
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CONTACT SHEET

VERIZON BUSINESS

OUTSIDE PLANT ENGINEERING:

PROJECT ENGINEER:
ANDY FRETTE 612-919-1751
1200 WASHINGTON AVE
MINNEAPOLIS, MN 55401

SENIOR PROJECT ENGINEER:
DAN SCHMIDT 612-221-7997
1200 WASHINGTON AVE

OUTSIDE PLANT CONSTRUCTION:

PROJECT SUPERVISOR:
GREGG JUNGWIRTH 612-963-9474

FIELD CONST. SUPERINTENDENT: MANAGER:

RIGHT-OF-WAY:

MINNEAPOLIS, MN 55401

AGENT: MANAGER:

CONTRACTS:

OTHERS:

PROGRAM MANAGER: LIGHTWAVE ENGINEER: CIVIL ENGINEER: TERMINAL CONST. REP.: SPLICING MANAGER: TSO MANAGER:

ENGINEERING CONTRACTOR

NAME OF FIRM: MI-TECH SERVICES, INC.

PROJECT MANAGER:
MITCHEL VANDENPLAS (920)621-8419

ENG. PROJECT SUPERVISOR:

1. DOUG HEIDER (651)895-0488

CONSTRUCTION CONTRACTOR

NAME OF FIRM: MASTEC
PROJECT COORDINATOR:
DAVIN MIKKONEN

PROJECT SUPERVISOR:

GREGG JUNGWIRTH (612)963-9474

(651)605-4091

RAILROADS

UTILITIES

AT&T

CENTERPOINT ENERGY	1-612-372-4664
Emergency Contact	1-612-372-5050
Contact: Andrew Balgobin	1-612-321-5426
COMCAST CABLE	1-651-222-3333
Contact: DOUG ZAHN	1-651-493-5316
CONNEXUS ENERGY	1-763-323-2650
FRONTIER	1-800-921-8101
GOPHER STATE ONE CALL SYSTEM (UTILITY LOCATES)	1-651-454-0002
MCI UTILITY LOCATE	1-800-624-9675
MCI	1-XXX-XXX-XXXX
Contact: Janette Harris	1-XXX-XXX-XXXX
WINDSTREAM	1-800-500-3453
QWEST	1-800-244-1111
Contact: Ron Amey	1-612-381-5567
SPRINT	1-800-788-3500
WRIGHT-HENNEPIN ELECTRIC	
Contact: Wayne Bauernschmitt	1-763-XXX-3095
XCEL ENERGY	1-651-454-0002
Emergency Contact	1-800-895-2999
Contact: Chris Royston	1-763-493-1668

1-800-222-0300

CITY GOVERNMENT

CITY OF MAPLE GROVE KELLY MATZKE 763-494-6365 KMATZKE@MAPLEGROVEMN.GOV

COUNTY GOVERNMENT

STATE GOVERNMENT

FEDERAL GOVERNMENT



PROJECT: 074GUSHERS

BH06 / GOLDEN VAL-VICKSBURG

MAPLE GROVE, MN

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GENERAL NOTES

- 1. VERIZON BUSINESS COMPRISES THE FOLLOWING OPERATING ENTITIES:
 - MCI COMMUNICATIONS SERVICES, INC.
 - MCI METRO ACCESS TRANSMISSION SERVICES, LLC
 - MCI METRO ACCESS TRANSMISSION SERVICES
 - OF VIRGINIA, INC.
 - MCI METRO ACCESS TRANSMISSION SERVICES
 - OF MASSACHUSETTS, INC.
 - METROPOLITIAN FIBER SYSTEMS OF NEW YORK, INC.
- ALL WORK TO BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES OR REQUIREMENTS OF ANY REGULATING GOVERNMENTAL AGENCY, VERIZON BUSINESS AND THE RIGHT-OF-WAY GRANTOR
- LOCATIONS OF SOME OF THE PHYSICAL FEATURES WERE OBTAINED FROM DATED RAILROAD EVALU-ATION MAPS OR OTHER DRAWINGS AND MAY NOT BE AS SHOWN OR DEPICTED ON THESE DRAWINGS.
- 4. UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVA-TIONS BUT ARE NOT NECESSARILY EXACT. THERFORE, UTILITY LOCATIONS WILL BE VERIFIED AT LEAST 100 FEET IN ADVANCE OF TRENCHING OR PLOWING, SO THAT CHANGES IN CABLE PLACEMENT CAN BE MADE IN THE EVENT OF CONFLICT.
- 5. ANY AND ALL IMPROVEMENTS, SUCH AS ASPHALT OR CONCRETE PAVEMENT, CURBS, GUTTERS, WALKS, DRAINAGE DITCHES, EMBANKMENTS, SHRUBS, TREES, GRASS SOD, ETC., IF DAMAGED, SHALL BE RESTORED TO ORIGINAL CONDITION.
- 6. EQUIPMENT TYPES SPECIFIED HEREIN (IE: "BACKHOE", SWAMP PLOW" ETC.) ARE SUGGESTIONS ONLY AND ARE NOT INTENDED AS REQUIREMENTS.
- 7. SHORING OF EXCAVATIONS AND TRENCHES IN ACCORDANCE WITH OSHA REGULATIONS IS MANDATORY.
- BURIED CABLE MARKERS WILL BE PLACED AT ALL UNDERGROUND UTILITY LOCATIONS AND ALL OTHER
 LOCATIONS IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS AND THE OUTSIDE PLANT HANDBOOK.
- 9. ALL 2" ID CONDUIT WILL BE HDPE, OR AS SPECIFIED.
- 10. UNDERGROUND CONDUIT WILL BE PLACED AT 36" MINIMUM COVER UNLESS OTHERWISE SPECIFIED ON THE CONSTRUCTION DRAWINGS.

CLARIFICATION NOTES

1. 2. 3. 4. 5.

- 1. STATION
- 2. LOCATION
- 3. CLARIFICATION NO. AND MINIMUM COVER
- 4. QUANTITY LINEAR FOOTAGE/SQUARE FOOTAGE, SIZE OF MANHOLE/HANDHOLE SIZE OF PULL/SPLICE BOX, DIMENSION OF WALL, HEIGHT/CLASS/TYPE OF POLE
- 5. TYPICAL DRAWING NO. AND TYPICAL DETAIL DRAWING NUMBER
- 6. PLANT ACCOUNTING CODE
- SPECIFIED CONDUIT, HANDHOLE/MANHOLE NO., SPECIFIED PURPOSE AND MATERIAL, BRIDGE NO. AND RAILROAD STATION, MATERIAL, POLE NO.

ADDENDUM NOTES

CLARIFICATION NOTES (CONTINUED)

100	11	0 JACK AND	DRY BORE CONDUIT(S)
200	212		GH DENSITY POLYETHYLENE (HDPE)
	213 214	ROCK ADI	
	214	EXPOSE C	ACKFILL ADDER
	216		OMDUIT AND RELOCATE
	217		ONDUIT AND REPLACE/SUBSTITUTE
	218		ND REMOVE CONDUIT
	219		ND REMOVE CONDUIT (ABANDONED)
	220		E ENCASE
	221	REMOVE (CONCRETE ENCASEMENT
	222	REMOVE (CONCRETE CAP
	240	PLACE HA	NDHOLE
	244	REMOVE E	EXISTING HANDHOLE
	245	RELOCATE	HANHOLE
			SUBSTITUTE HANDHOLE
	247		SPLICE PIT
	250	PLACE MA	
	252		EXISTING MANHOLE
	255		F PRECAST MANHOLE
	256 260	CONSTRU	SUBSTITUTE PRECAST MANHOLE
	270		AND RESTORE ASPHALT
	280		AND RESTORE CONCRETE
	281		AND RESTORE SIDEWALK
	282	REMOVE A	AND RESTORE CURBING
300	3:	10 ATTACH C	ONDUIT TO WALL OR STRUCTURE
300	315		CONDUIT FROM WALL OR STRUCTURE
	320	CORE BOR	
	330		ULL/SPLICE BOX TO WALL OR STRUCTURE
400	4:	10 PULL CAB	LE
	411		OUGH DUCT (INNERDUCT)
	415		CABLE FROM CONDUIT
	420	REPOSITI	ON ACTIVE CABLE SLACK
500	5:	10 DIRECT B	URY CABLE
	515		IRECT BURIED CABLE
	516		IRECT BURIED CABLE AND RELOCATE
	517		AND DISPOSE OF CABLE
	520		RIAL CABLE
	525		E AERIAL CABLE JERIAL CABLE
	526 527		ERIAL CABLE
	528		AERIAL CABLE
	530		LE/PUSH BRACE
	535		POLE/PUSH BRACE
600	6.	LO JETTING (CONDUIT
000	620	EMBEDME	
	630		NAL BORE
700	7.	10 PLACE DU	DIED CADLE MADVEDS AND STONG (MANCON
700	/:		RIED CABLE MARKERS AND SIGNS/MWCOM ROSSING SIGNS
	711		DLATOR/PROTECTION SYSTEM AT EXISTING
	,		ES/MANHOLES
	712		BURIED CABLE MARKER POST/HARDWARE
	714	REMOVE (CONCRETE BURIED CABLE MARKER POST

GENERAL NOTES

- 1. CONTRACTOR MUST OBTAIN LOCATES PRIOR TO DISTURBING THE GROUND
- 2. CONTRACTOR MUST HAVE A COPY OF THE APPROVED PERMIT FROM THE APPROPRIATE AGENCY ON THE JOBSITE AT ALL TIMES.
- 3. ALL CABLE WILL BE PLACED AT STANDARD MINIMUM DEPTH. (MCI STANDARD IS 48" DEEP UNLESS OTHERWISE DIRECTED BY A MCI REPRESENTATIVE.)
- 4. ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK.
- 5. PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.
- $6.\,\mathrm{ALL}$ WORK IS TO BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.
- 7. CONTRACTORS ARE ADVISED TO CONTACT MCI FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.
- 8. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CHANGE TO THE RUNNING LINE IS NEEDED, PLEASE CONTACT YOUR MCI REPRESENTATIVE BEFORE PROCEEDING.
- 9.BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.
- 10. NO CONSTRUCTION ON PRIVATE PROPERTY WILL COMMENCE UNTIL APPROVAL IS GIVEN BY THE APPROPRIATE MCI EMPLOYEE.
- 11. CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL THEY HAVE RECEIVED A PURCHASE ORDER AND HAVE BEEN DIRECTED TO DO SO BY AN AUTHORIZED MCI REPRESENTATIVE.
- 12. CONTRACTOR SHALL NOT EXCEED THE PURCHASE ORDER VALUE WITHOUT AUTHORIZATION IN WRITING FROM THE APPROPRIATE MCI REPRESENTATIVE.
- 13. AS-BUILTS WILL BE REQUIRED FOR EACH PROJECT INCLUDING CABLE FOOTAGE SEQUENTIAL'S AT EVERY ACCESS POINT, SLACK LOOP, SPLICE LOCATION, POLE AND TERMINATION POINT. CONTRACTOR SHALL PROVIDE NOTES OF ALL CHANGES IN DEPTHS, RUNNING LINES, MH/HH LOCATIONS, AND ANY OTHER APPLICABLE NOTES TO DEPICT THE WORK THAT TOOK PLACE. NOTE: ALL MAJOR CHANGES NEED TO BE PRE-APPROVED BY AN AUTHORIZED MCI EMPLOYEE PRIOR TO STARTING THE WORK.
- 14. THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO UTILIZE THE GOPHER STATE ONE CALL EXCAVATION NOTICE SYSTEM REQUIRED MN STATUTE, CHAPTER 216D FOR ALL UNDERGROUND UTILITY LOCATIONS.



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BH06 / GOLDEN VAL-VICKSBURG

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ACCESS TRANSMISSION SERVICES, LL

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OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

074GUSHERS

DATE: 2/8/18 ENGINEER: NW

DRAWN BY: NW

REVISIONS

 DATE
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 2/8/18
 CONST PKG
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SCALE HORIZONTAL:

VERTICAL: N

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SYMBOLS KEY **EXISTING** PROPOSED BURIED CABLE STEEL MARKER AND SIGN-(A) ALUMINUM "HUB"-STYLE MARKER-(B) FLAT MARKER-(C) AERIAL CABLE TUBULAR MARKER-(D) TUBULAR MARKER, & ISOLATOR PROTECTOR-(E) SUBMARINE CABLE MILE POST MARKER FOGWIRE CABLE DASHED = NOT FOUND IN FIELD DIRECT BURIED HDPE PVC OR SPLIT PVC CONDUIT PERMIT TRACKING FORM IDENTIFIER 187 BSP/GSP OR SPLIT BSP/GSP CONDUIT ROCK PROBE (DEPTH AS INDICATED) STEEL CASING UTILITY COVER DEPTH REMOVE AND RESTORE ASPHALT OR CONCRETE HANDHOLE, MANHOLE OR PULLBOX (WIDTH AS INDICATED) POLE CORE BORE ANCHOR ONLY JACK AND BORE **GUY ONLY** DIRECTIONAL BORE OVERHEAD GUY (ARROW IN DIRECTION OF PULL) **FUTURE CABLE** ANCHOR AND GUY REMOVE CABLE SIDEWALK ANCHOR AND GUY TO BE REMOVED OR ABANDONED (SHOWN FOR HDPE) FOREIGN ANCHOR AND GUY AERIAL UTILITY (ELECTRIC) PUSH BRACE (EXISTING POLE) UNDERGROUND UTILITY (TELEPHONE) ACCOUNT CODE CHANGE (BURIED TO AERIAL) MAIN TRACKS AUXILLARY TRACKS BOND AND GROUND CENTERLINE CULVERT (SIZE AS INDICATED) RIGHT-OF-WAY EDGE OF PAVEMENT BRIDGE SIDEWALK DITCH LINE WATER METER \otimes TAX DISTRICT GAS VALVE CITY, COUNTY OR STATE BOUNDARY LINE PROPERTY LINE FIRE HYDRANT FENCE LINE RAILROAD SIGNAL CONTROL BOX GUARDRAIL TOP OF SLOPE CAUTION NOTE TOE OF SLOPE

FACE OF CURB



PROJECT: 074GUSHERS

BH06 / GOLDEN VAL-VICKSBURG

MCImetro ACCESS TRANSMISSION SERVICES, LLC OUTSIDE PLANT CONSTRUCTION TITLE: FIBER OPTIC CABLE ROUTE 074GUSHERS			
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REVISIONS

2/8/18 CONST PKG NW 3/23/18 SJH

SCALE HORIZONTAL:

NTS

VERTICAL: TO MP

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CLARIFICATION SUMMARY SHEET PROJECT SPECIFIC

PROJECT CLARIFICATION SUMMARY				
DESCRIPTION OHANITY UNITS				CLARIFICATION NO. AND ALPHA
C-100: NEW UNDERGROUND - BORE/TRENCH/PLOW - 1-2" HDPE - SOFTSCAPE	4760	LF	100	C100
C-110: NEW UNDERGROUND - BORE/TRENCH/PLOW - 1-2" HDPE - HARDSCAPE	529	LF	110	C110
C-500: CABLE PREP/SPLICING/TESTING - LOOSE TUBE	48	EA	500	C500

PERMITS REQUIRED						
PERMIT SHEET NUMBER FOOTAGE DATE APPROV						
City of Maple Grove \ Gushers-1	8-19	5209'				

BOM / MAKE READY COST ESTIMATE PROJECT SPECIFIC

Hub Name		S	ITE Hub Name	E-300 Footage	E-350 Footage	Existing VZB Owned Fiber	E-355 Footage	E-400 Footage	E-500	E-700	E-800	E-1000	C-100 Footage	C-110 Footage	C-120 Footage	C-200 Footage	C-300 Footage	C-400 Cost Estimate	C-500	C-510	MISC-1	ŀ
VICKSBURG	ТО		GUSHERS	5,289'	0'	0'	0'	0'	0'	0'	\$ -	0'	4,760'	529'	0'	0'	0'	\$0.00	48	0	0	
Hand holes 24"x36"x24"	Hand Holes	30"x60"x30"	Manholes 4'x4'x4'	2"HDPE SDR 11 5%	Ground Rods	Locate Test Station	Marker Posts	Storage Loops Footage	Splice Case 600D	Splice Case 450D	864 Fiber 3%	576 Fiber 3%	432 Fiber 3%	288 Fiber 3%	216 Fiber 3%	144 Fiber 3%	96 Fiber 3%	72 Fiber 3%	48 Fiber 3%	24 Fiber 3%	12 PORT MST	E
0		6	0	5,553	1	1	6	650'	1	0	0'	0'	0'	0'	0'	0'	0'	6,117'	0'	0'	0	EX TI Ti
0		6	0	5,553	1	1	6	650'	1	0	0'	0'	0'	0'	0'	0'	0'	6,117'	0'	0'	L	0



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BH06 / GOLDEN VAL-VICKSBURG

MAPLE GROVE, MN

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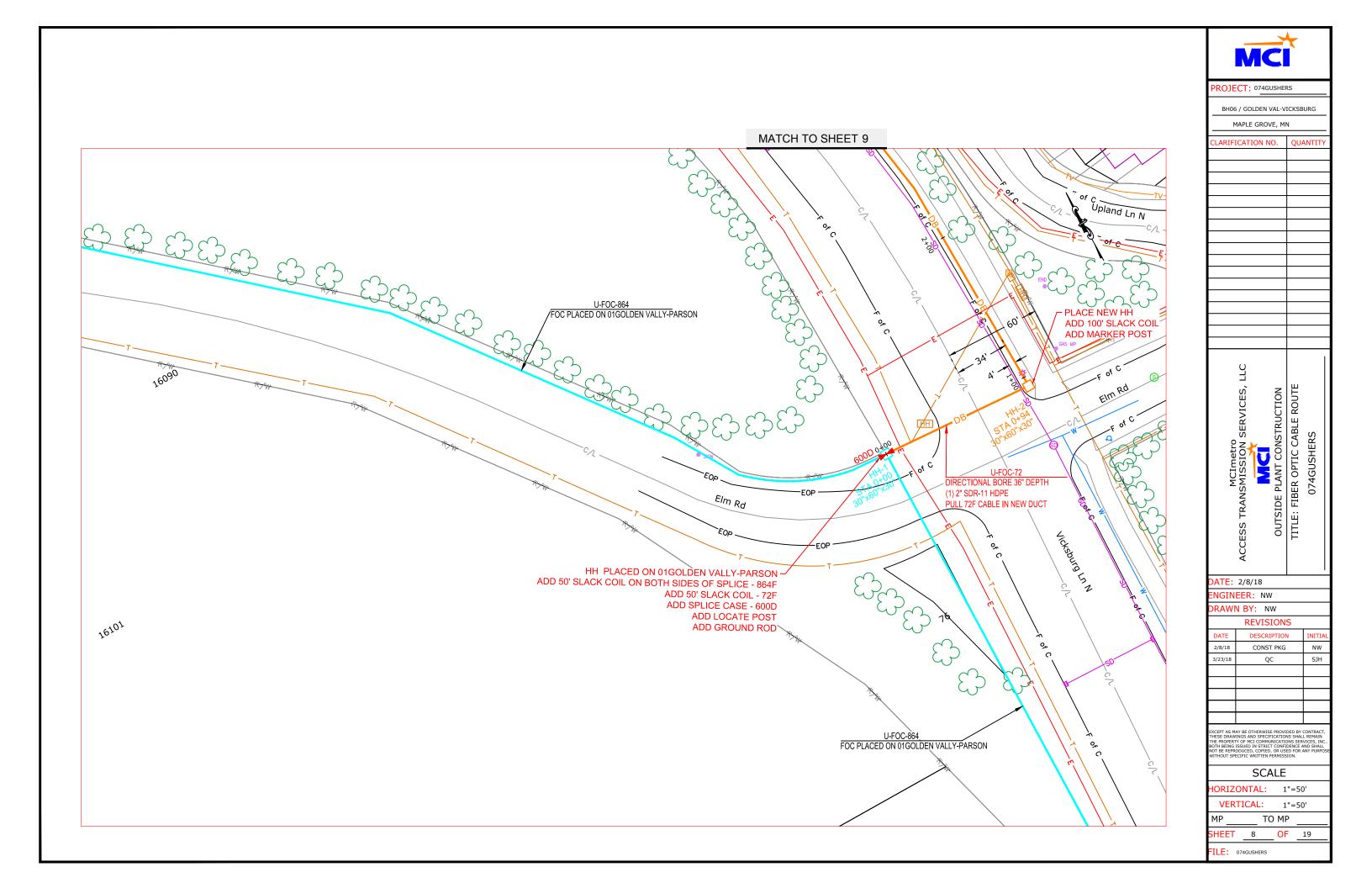
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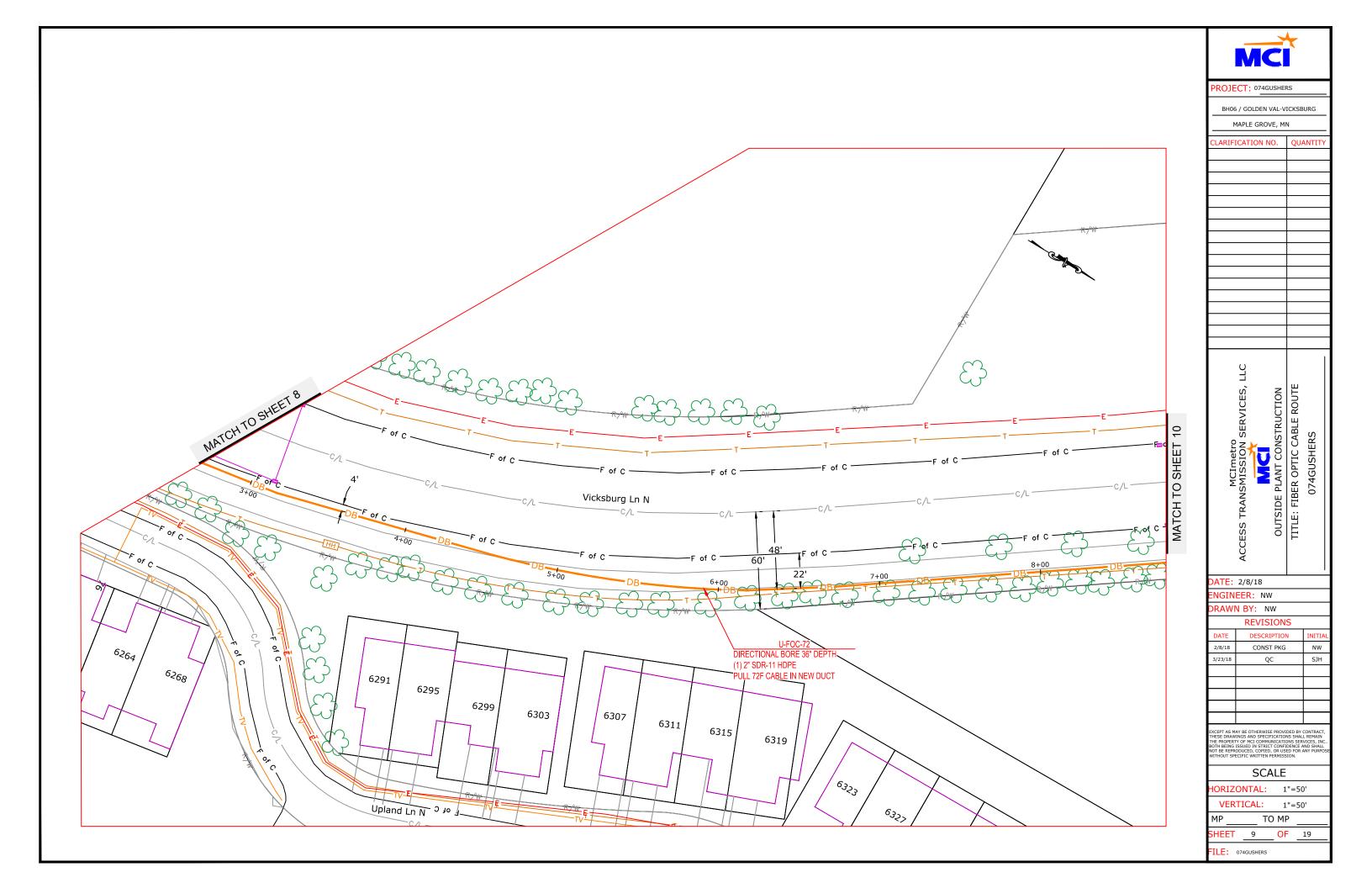
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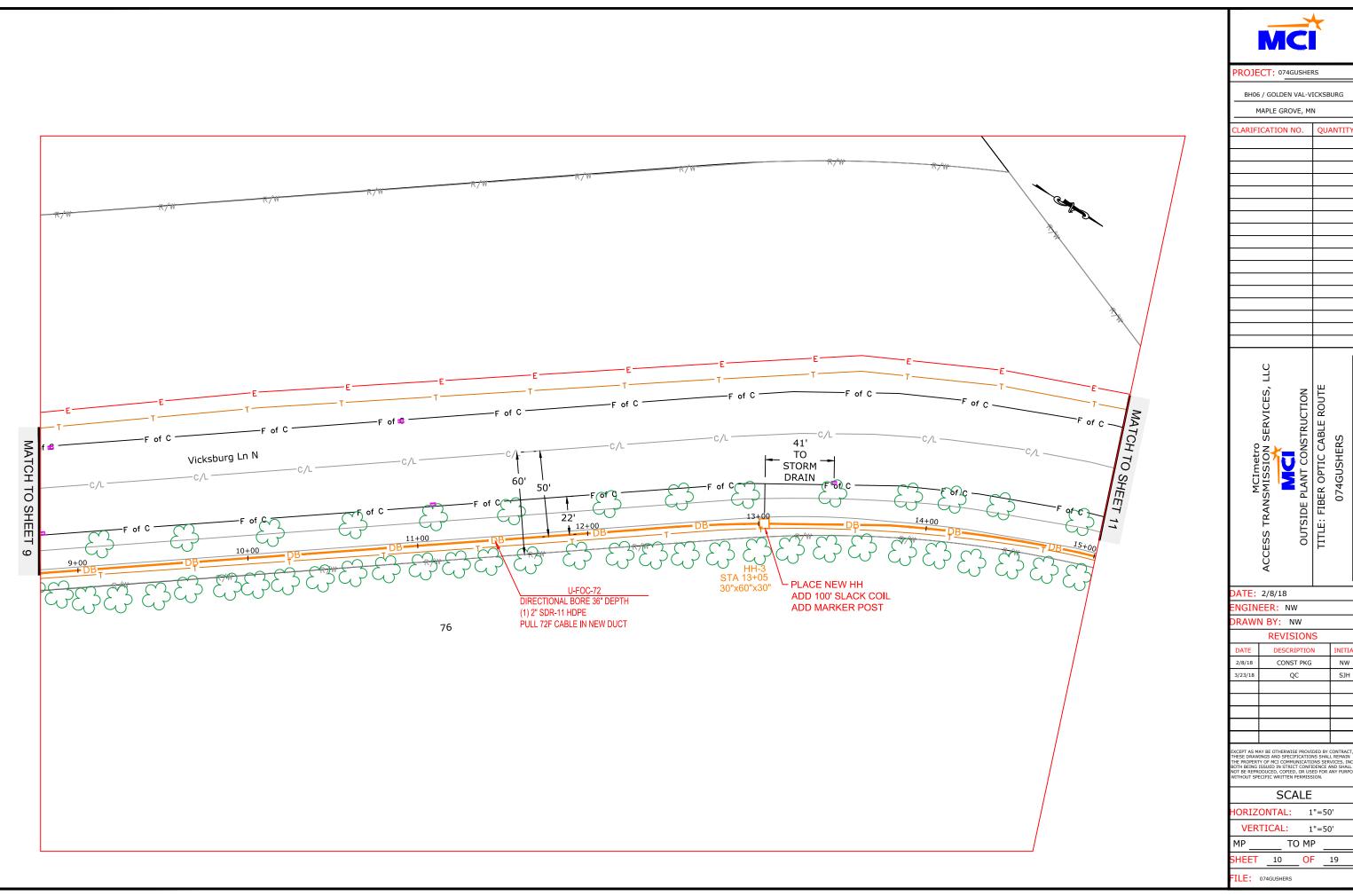
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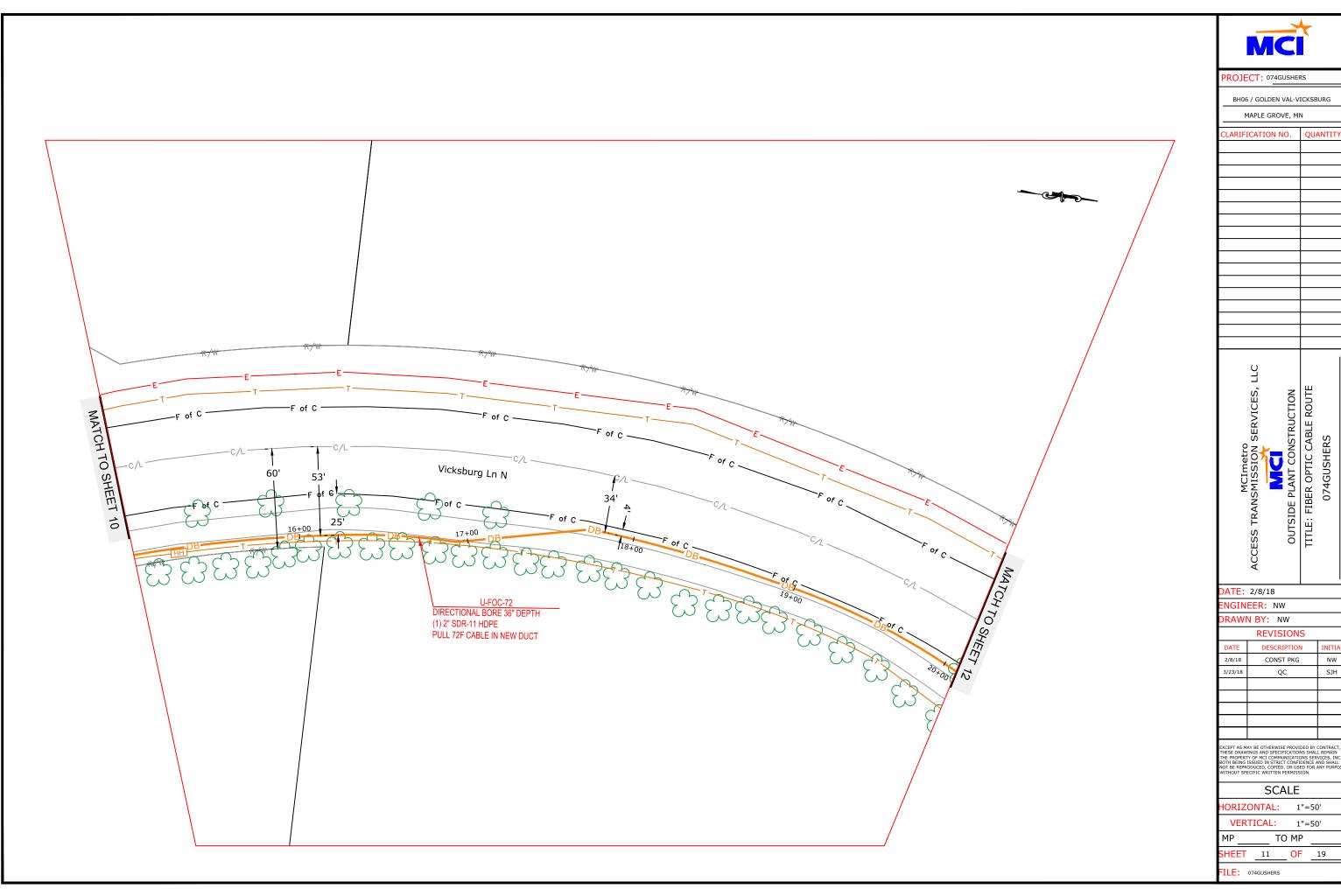
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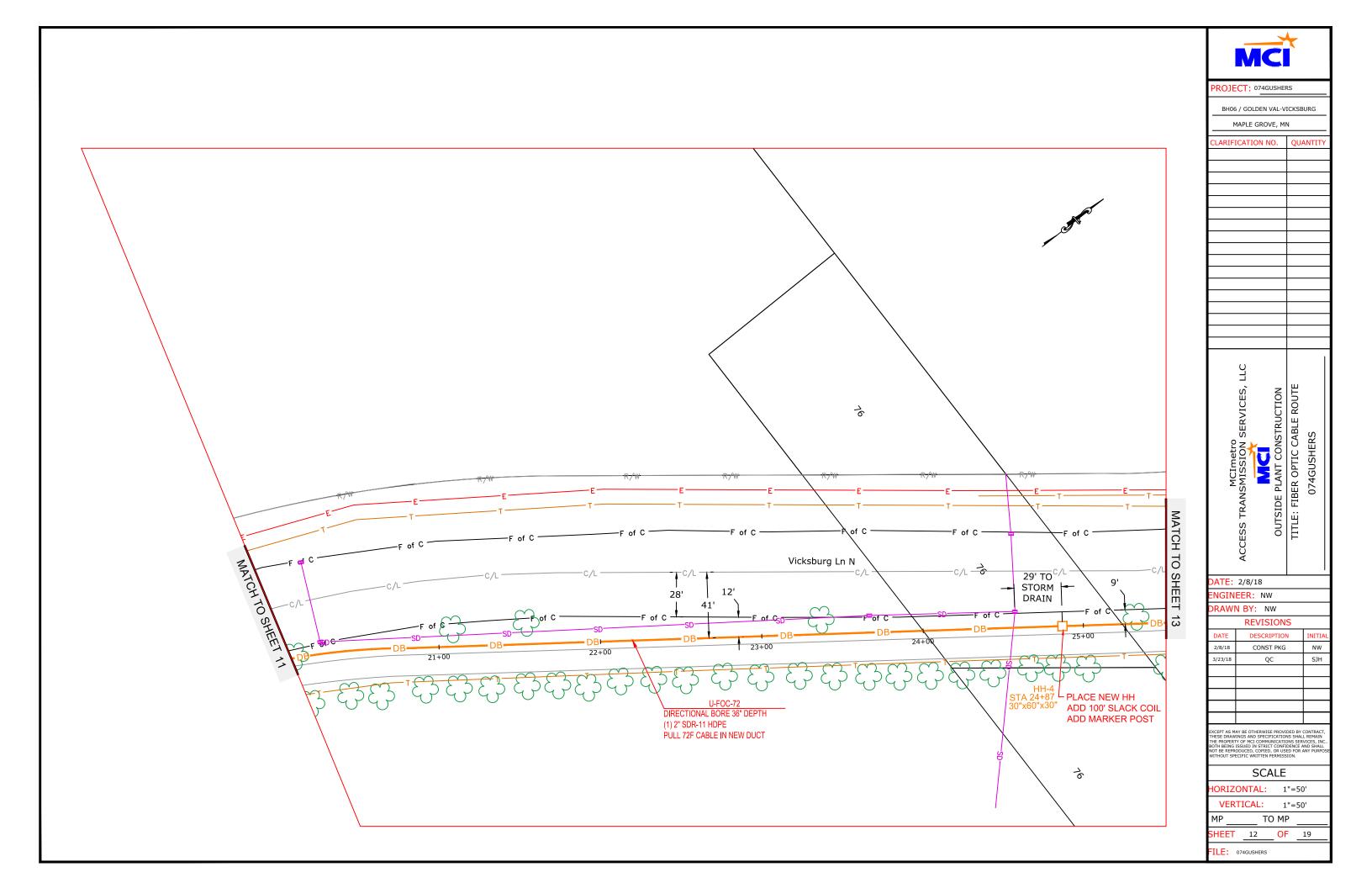


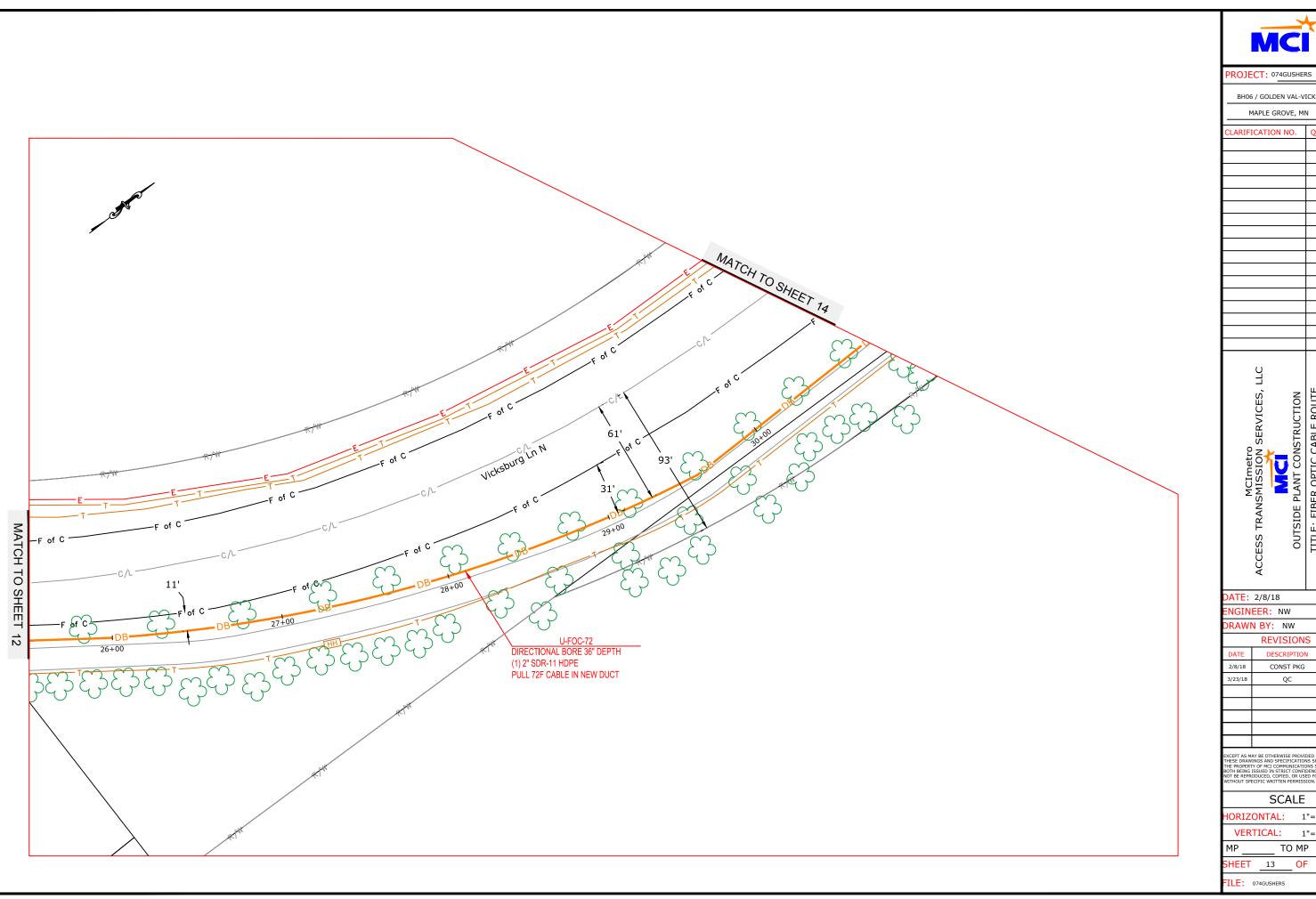


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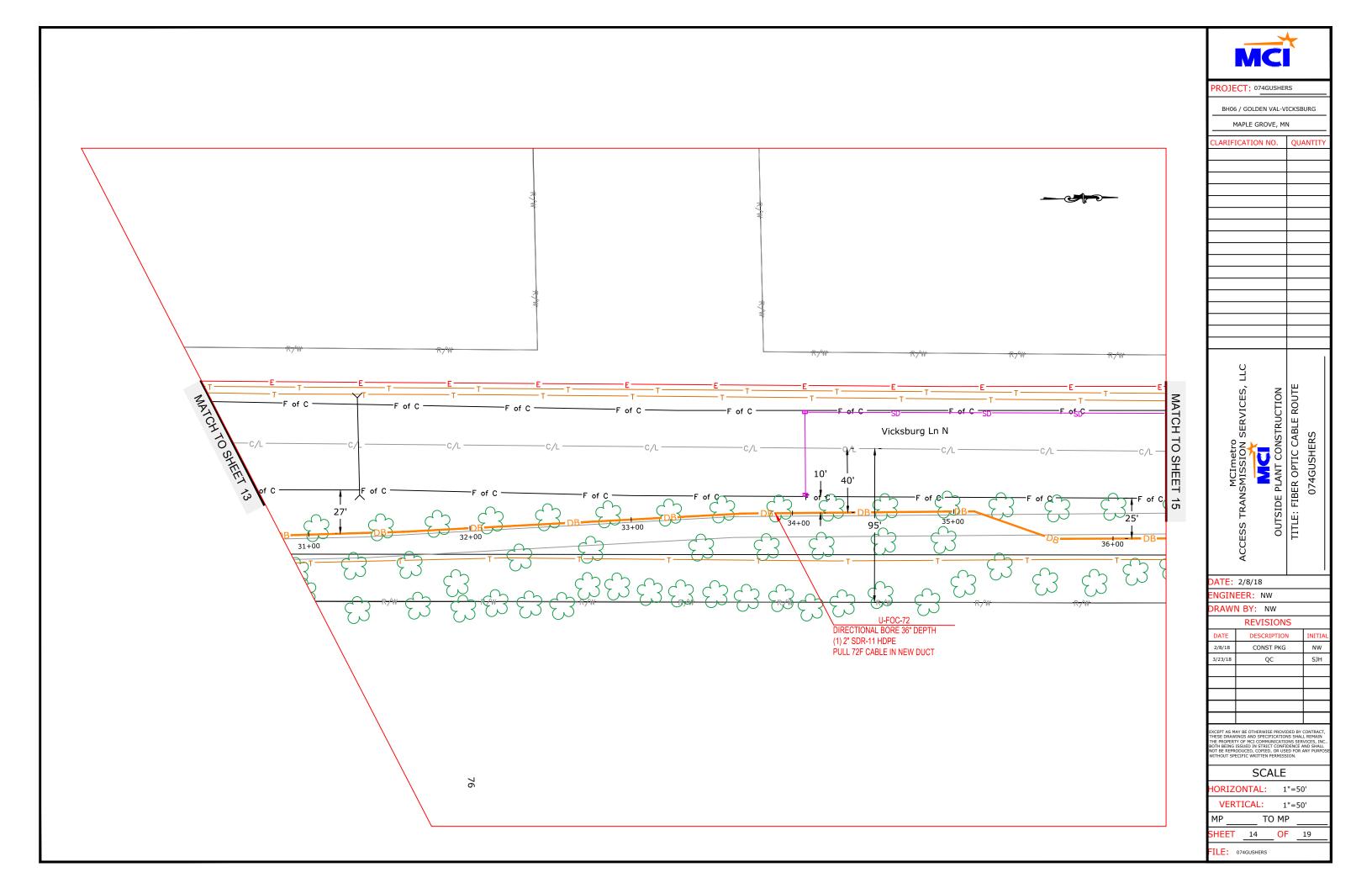
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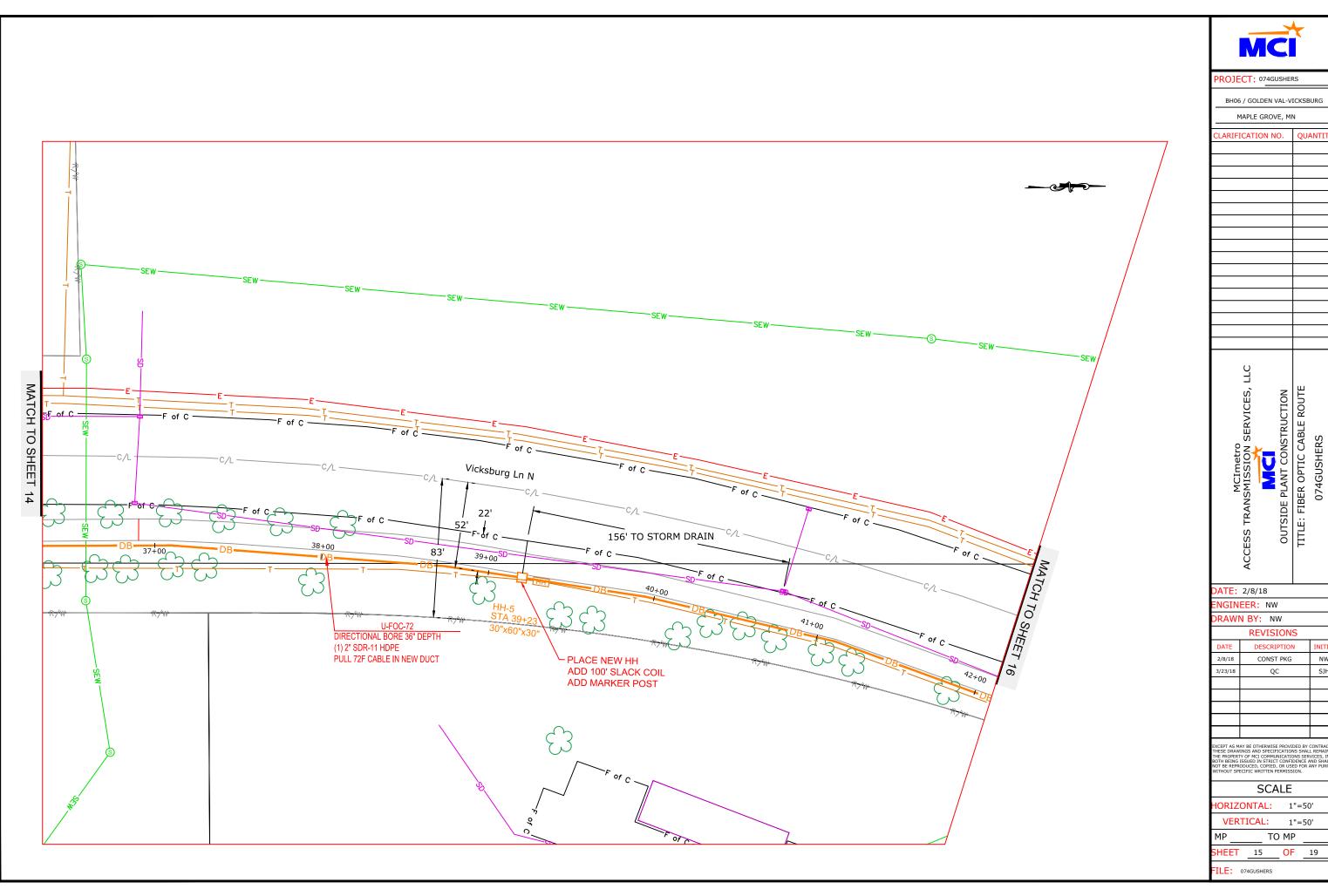
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